PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	PPPP	AAAA AAAA	AAAA	\$	RRRRRRRRRRR RRRRRRRRRRR RRRRRRRRRRRRR		LLL LLL LLL
PPP	PPP	AAA	AAA	SSS	RRR RR		iii
PPP	PPP	AAA	AAA	\$\$\$	RRR RR		ili
PPP	PPP	AAA	AAA	SSS	RRR RR		iii
PPP	PPP	AAA	AAA	\$\$\$	RRR RR		<b>ווו</b>
PPP	PPP	AAA	AAA	555	RRR RR		iii
PPP	PPP	AAA	AAA	ŠŠŠ	RRR RR		iii
PPPPPPPP		AAA	AAA	SSSSSSSS	RRRRRRRRRRR	ŤŤ	iii
PPPPPPP		AAA	AAA	\$\$\$\$\$\$\$\$\$	RRRRRRRRRRR	ŤŤŤ	iii
PPPPPPP		AAA	AAA	\$\$\$\$\$\$\$\$\$	RRRRRRRRRRR	ŤŤ	iii
PPP		AAAAAAA		SSS	RRR RRR	ŤŤŤ	ĨĨĨ
PPP		AAAAAAA		SSS	RRR RRR	ŤŤŤ	ΙΙΙ
PPP		AAAAAAA		SSS	RRR RRR	ŤŤŤ	ΙΙΙ
PPP		AAA	AAA	SSS	RRR RRR	ŤŤŤ	ΙΙΙ
PPP		AAA	AAA	ŠŠŠ	RRR RRR	ŤŤŤ	ίίί
PPP		AAA	AAA	ŠŠŠ	RRR RRR	ŤŤŤ	ΙΙΙ
PPP		AAA	AAA	SSSSSSSSSS	RRR RR		ĪĪĪLLLLLLLLLLLL
PPP		AAA	AAA	SSSSSSSSSSS	RRR RR		
PPP		AAA	AAA	\$\$\$\$\$\$\$\$\$\$\$\$\$\$	RRR RR		LLLLLLLLLLLLLL

Sym

\_\$2

PAS

PAS

PPPPPPPP PPPPPPPPP	AAAAA AAAAA	\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$	RRRRRRRR RRRRRRRR	EEEEEEEEEE	NN NN
PP	AA AA AA AA	\$\$ \$\$ \$\$ \$\$\$ \$\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$	RR		NN NN NNNN NN NNNN NN
		\$			

0044

0045

0046 0047

44

46

MODULE PASSWRITE ENUMERATED ( %TITLE 'Write an enumerated value' IDENT = '1-002' ! File: PASWRIEN ! File: PASWRIENU.B32 Edit: SBL1002

BEGIN

1 🛊

1.

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! FACILITY: Pascal Language Support

ABSTRACT:

This module contains a procedure which writes an enumerated value to a textfile.

ENVIRONMENT: User mode - AST reentrant

AUTHOR: Steven B. Lionel, CREATION DATE: 1-April-1981

MODIFIED BY:

1-001 - Original. SBL 1-April-1981

! 1-002 - Make total-width a longword. SBL 29-Jun-1982

(2)

Page

```
Write an enumerated value 16-Sep-1984 02:16:50 PAS$WRITE_ENUMERATED - Write an enumerated valu 14-Sep-1984 12:52:04
PASSWRITE_ENUME Write an enumerated value
                                                                                                                 VAX-11 Bliss-32 V4.0-742
                                                                                                                                                                Page
                                                                                                                                                                      (3)
1-002
                                                                                                                 [PASRTL.SRC]PASWRIENU.B32:1
                              **SBTTL 'PAS$ ITE ENUMERATED - Write an enumerated value to textfile' GLOBAL ROUTINE PAS$WRITE ENUMERATED (
PFV: REF $PAS$PFV FILE VARIABLE,
PETD: REF VECTOR [, LONG],
! Enumerated
                    Ŏ144
                    0145
                                                                                                       ! file variable
     85
                    0146
                                                                                                         Enumerated type descriptor
                                        VALUE,
TOTAL_WIDTH: SIGNED,
ERROR
                    0147
                                                                                                       ! Value to write
! Total field width
     87
                    0148
                    0149
                                                                                                       . Error unwind address
    0150
                                    ): NOVALUE =
                    0151
                    0152
                    0153
                                 FUNCTIONAL DESCRIPTION:
                    0154
                    0155
                                         This procedure writes an enumerated value to the specified textfile.
                    0156
                    0157
                                 CALLING SEQUENCE:
                    0158
    98
99
                    0159
                                         CALL PASSWRITE_ENUMERATED (PFV.mr.r, PETD.rr.r, VALUE.rlu.v, TOTAL_WIDTH.rl.v [ERROR.j.r])
                    0160
   100
                    0161
   101
                    0162
                                 FORMAL PARAMETERS:
   102
                    0163
   103
                    0164
                                         PFV
                                                             - The Pascal file Variable (PFV) passed by reference. The structure of the PFV is defined in PASPFV.REQ.
   104
                    0165
   105
                    0166
   106
                    0167
                                                             - Pascal Enumerated Type Descriptor, passed by reference. The structure of a PETD is as follows:
                                         PETD
   107
                    0168
   108
                    0169
   109
                    0170
   110
                                                                     offset of ASCIC type name
                                                                                                               <-- PETD
   111
                    0173
   112
                                                                   count of possible values (n)
   113
                    0174
   114
                    0175
                                                                   offset of ASCIC value name O
   115
                    0176
   116
                    0177
                                                                  offset of ASCIC value name 1
   117
                    0178
   118
                    0179
  119
120
121
1223
1224
1225
1227
1231
1231
1331
1331
1331
1331
                    0180
                    0181
                                                                  offset of ASCIC value name n-1:
                    0182
                    0183
                    0184
                                                                The offsets are relative to the address
                    0185
                                                                of the descriptor (PETD). The names are
                    0186
                                                                counted strings with 1-byte counts. It
                    0187
                                                                is assumed that the compiler has upcased
                    0188
                                                                all of the strings.
                    0189
                    0190
                                         VALUE
                                                             - The enumerated value to write.
                    0191
                    0192
                                         TOTAL_WIDTH
                                                             - Total field width.
                    0193
                    0194
                                         ERROR
                                                             - Optional. Address to unwind to if an error occurs.
                    0195
                    0196
                                 IMPLICIT INPUTS:
                    0197
                    0198
                                         NONE
   138
                    0199
```

```
PAS$WRITE_ENUME Write an enumerated value 16-Sep-1984 02:16:50 1-002 PAS$WRITE_ENUMERATED - Write an enumerated valu 14-Sep-1984 12:52:04
                                                                                                        VAX-11 Bliss-32 V4.0-742
[PASRTL.SRC]PASWRIENU.B32;1
                                                                                                                                                    Page
                              IMPLICIT OUTPUTS:
                                      MONE
   14456789
14456789
15556789
                              ROUTINE VALUE:
                                      NONE
                              SIDE EFFECTS:
                   0210
0211
0212
0213
0214
0215
0216
0217
0218
0219
0220
                                      If the file is the standard file INPUT or OUTPUT, it is implicitly opened.
                              SIGNALLED ERRORS:
                                      LINTOOLON - line too long
                                      WRIINVENU - WRITE of invalid enumerated value
                                      NEGWIDDIG - negative Width or Digits specification is not allowed
                                 BEGIN
   160
                                 LOCAL
   161
   162
163
                                      FCB: REF $PAS$FCB_CONTROL_BLOCK,
                                                                                                 File control block
                                      FIELD_WIDTH, VALUE STRING: REF VECTOR [, BYTE],
                                                                                                 Total width
   164
                                                                                                 Enumerated value string
   165
                                      VALUE_WIDTH,
                                                                                                 Width of enumerated value
                                      PFV_ADDR: VOLATILE,
   166
                                                                                                 Enable argument
   167
                                      UNWIND_ACT: VOLATILE,
                                                                                                 Enable argument
   168
                                      ERROR_ADDR: VOLATILE:
                                                                                               ! Enable argument
   169
   170
171
172
173
174
175
                                 BUILTIN
                                      ACTUAL COUNT:
                                      PAS$$IO_HANDLER (PFV_ADDR, UNWIND_ACT, ERROR_ADDR);
                                                                                                      ! Enable error handler
   176
177
                                 ! Get ERROR parameter, if present.
   178
   179
   180
                                 IF ACTUALCOUNT () GEQU 5
   181
                                 THEN
                                      ERROR_ADDR = .ERROR;
   182
                                                                           ! Set unwind address
   183
   184
                                 PFV_ADDR = PFV [PFV$R_PFV];
                                                                                     ! Set PFV address
   185
   186
   187
                                 ! Validate PFV and get PFV.
   188
                   0250
   189
   190
                   0251
                                 PAS$$VALIDATE_PFV (PFV [PFV$R_PFV]; FCB);
   191
   192
                                 Set unwind action to unlock file.
   193
   194
```

0256

(3)

```
D 14
Write an enumerated value 16-Sep-1984 02:16:50
PASSWRITE_ENUMERATED - Write an enumerated valu 14-Sep-1984 12:52:04
FASSWRITE_ENUME Write an enumerated value
                                                                                                                        VAX-11 Bliss-32 V4.0-742 [PASRTL.SRC]PASWRIENU.B32;1
                                                                                                                                                                         Page
1-002
   196
197
                     0257
0258
0259
                                      UNWIND_ACT = PAS$K_UNWIND_UNLOCK;
   198
                                      ! Do common initialization.
   199
                     0260
   200
                      0261
   202
                                      PAS$$INIT_WRITE (PFV [PFV$R_PFV], FCB [FCB$R_FCB]; FCB);
   ! Check for invalid width.
                     0268
                     0269
0270
0271
                                      IF .TOTAL_WIDTH LSS 0
                                      THEN
                                           $PAS$10_ERROR (PAS$_NEGWIDDIG,0);
                     0272
0273
0274
0275
0276
0277
                                      ! Get field width
                                      FIELD_WIDTH = .TOTAL_WIDTH;
                                      ! Determine if value is out-of range and then locate value.
                                      IF .VALUE GEQU .PETD [1]
                                      THEN
                                     $PAS$IO_ERROR (PAS$_WRIINVENU,0);
VALUE_STRING = .PETD + .PETD [.VALUE+2]; ! Relati
VALUE_WIDTH = MIN (.VALUE_STRING [0], .FIELD_WIDTH),
                                                                                                  ! Relative address
                     0290
0291
0292
0293
0294
0295
                                       See if field will fit in record.
                                     BEGIN
                                     LOCAL
                                     EXTRA;
EXTRA = (.FCB [FCB$A_RECORD_CUR] + .FIELD_WIDTH) - .FCB [FCB$A_RECORD_END];
                     0296
0297
                                      IF .EXTRA GTR O
                                      THEN
                                           $PAS$IO_ERROR (PAS$_LINTOOLON,1,.EXTRA);
                     0300
                                      END:
                     0301
0302
0303
                                      ! Move leading blanks, if any.
                     0304
0305
0306
0307
0308
0309
0311
0312
0313
                                      IF .FIELD_WIDTH - .VALUE_WIDTH GTR 0
```

FCB [FCB\$A\_RECORD\_CUR] = CH\$FILL (%C' ', .FIELD\_WIDTH - .VALUE\_WIDTH,

.FCB [FCB\$A\_RECORD\_CUR]);

! Now move value

```
PASSWRITE_ENUME Write an enumerated value 16-Sep-1984 02:16:50 1-002 PASSWRITE_ENUMERATED - Write an enumerated valu 14-Sep-1984 12:52:04
                                                                                                                    VAX-11 Bliss-32 V4.0-742 [PASRTL.SRC]PASWRIENU.B32;1
                                                                                                                                                                     Page
                     0314
0315
0316
0317
   253
2556
2556
2558
2561
263
265
265
265
                                     FCB [FCB$A_RECORD_CUR] = CH$MOVE (.VALUE_WIDTH, VALUE_STRING [1],
                                           .FCB [FCB$A_RECORD_CUR]);
                     0318
                                     ! Call WRITE epilogue routine to move the last character written to the
                     0319
                     0320
0321
                                     ! user's buffer and to unlock the file variable.
                     0322
                                     PAS$$END_WRITE (PFV [PFV$R_PFV], FCB [FCB$R_FCB]);
                     0324
                     0325
                                     RETURN:
                     0326
                     0327
    266
                                     END:
                                                                                                ! End of routine PAS$WRITE_ENUMERATED
                                                                                                             PASSWRITE_ENUMERATED Write an enumerated value
                                                                                                  .TITLE
                                                                                                  .IDENT
                                                                                                             11-002
                                                                                                             PASSWRITE ENUMERATED PASSWRITEV ENUMERATED
                                                                                                  .EXTRN
                                                                                                  .EXTRN
                                                                                                            PASSSIO HANDLER
PASSSVALIDATE PFV
PASSSINIT WRITE
PASSSIGNAL, PASSK_NEGWIDDIG
                                                                                                  .EXTRN
                                                                                                  .EXTRN
                                                                                                  .EXTRN
                                                                                                   .EXTRN
                                                                                                            PASSK_WRIINVENU
PASSK_LINTOOLON
                                                                                                  .EXTRN
                                                                                                  .EXTRN
                                                                                                             PASSSEND_WRITE
                                                                                                  .EXTRN
                                                                                                  .PSECT
                                                                                                             _PAS$CODE,NOWRT, SHR, PIC,2
                                                                                                            PAS$WRITE_ENUMERATED, Save R2,R3,R4,R5,R6,-; 0144 R7,R8,R9,R10 PAS$$SIGNAL, R10 R8, SP ERROR_ADDR ; 0220
                                                                         07FC 00000
                                                                                                  .ENTRY
                                                   5A 00000000G
5E
                                                                           65 00005
65 00005
                                                                      00
80
                                                                                                  MOVAB
                                                                                                  SUBL 2
                                                                      7E
                                                                           D4 0000C
                                                                                                  CLRL
                                                                      AĒ
CF
                                                                                                             UNWIND_ACT
                                                                           7C 0000E
                                                                                                  CLRQ
                                                                                                            8$, (FP)
                                                   6D
05
                                                             009B
                                                                           DE 00011
                                                                                                  MOVAL
                                                                           91 00016
                                                                                                                                                                          0241
                                                                      60
                                                                                                  CMPB
                                                                                                             (AP), #5
                                                                           1F 00019
                                                                                                  BLSSU
                                                                                                             15
                                                   6E
56
                                                                                                                                                                          0243
0245
                                                                      AC
                                                                           DO 0001B
                                                                                                  MOVL
                                                                                                             ERROR, ERROR_ADDR
                                                                                                            PFV, R6
R6, PFV ADDR
PAS$$VALIDATE_PFV
                                                                      AC
56
                                                                           DO 0001F 15:
                                                                                                  MOVL
                                             80
                                                    AE
                                                                           DO 00023
                                                                                                  MOVL
                                                                                                                                                                          0251
0257
                                                        0000000G
                                                                      00
                                                                           16 00027
                                                                                                  JSB
                                                                                                             #1, UNWIND ACT PASSSINIT WRITE
                                             04
                                                                      Õ1
                                                                           DO 0002D
                                                                                                  MOVL
                                                                           16 00031
D5 00037
                                                        0000000G
                                                                                                                                                                          0263
                                                                      00
                                                                                                  JSB
                                                                                                                                                                          0269
                                                                10
                                                                      AC
                                                                                                  TSTL
                                                                                                             TOTAL_WIDTH
                                                                            18 0003A
                                                                      80
                                                                                                  BGEQ
                                                                                                             2$
                                                                                                                                                                          0271
                                                                           D4 0003C
                                                                                                             -(SP)
                                                                       7E
                                                                                                  CLRL
                                                    7E
                                                                           9A 0003E
                                                                00G
                                                                      8F
                                                                                                  MOVZBL
                                                                                                             #PAS$K_NEGWIDDIG, -(SP)
                                                                      15
                                                                           11 00042
                                                                                                  BRB
                                                                                                            TOTAL_WIDTH, FIELD_WIDTH
PETD, R3
VALUE, 4(R3)
                                                                           DO 00044 25:
                                                                                                                                                                          0277
                                                                      AC
                                                                                                  MOVL
                                                                                                                                                                          0283
                                                                80
                                                                      AC
                                                                            DO 00048
                                                                                                  MOVL
```

AC OA

ŽE 8F

00G

D1 0004C

1F 00051

D4 00053

9A 00055

CMPL

BLSSU

MOVZBL

CLRL

45

-(SP)

#PAS\$K\_WRIINVENU, -(SP)

**A3** 

7E

AS\$WRITE_ENUME -002	Write ar PAS\$WRIT	n enumerate TE_ENUMERA	ed value TED - Wr	ite an enur	nerat	ted	valu 1	5-Sep 4-Sep	-1984 02:16 -1984 12:52	5:50 VAX-11 Bliss-32 V4.0-742 Pa 2:04 [PASRTL.SRCJPASWRIENU.B32;1	ige 7 (3)
		58	6A 50 53 50 52		02 AC A340 68 50	D1	0005C 0005D 00061 00067 0006A	3\$: 4\$:	CALLS RET MOVL ADDL3 MOVZBL CMPL	W2, PAS\$\$SIGNAL  VALUE, R0 8(R3)[R0], R3, VALUE_STRING (VALUE_STRING), R0 R0, FIELD_WIDTH	; 0286 ; 0287
		50	50 59 52 50	E C F O	03 550 A7 OC 50	DO DO C1 C2	0006D 0006F 00072 00075 0007A 0007E	5 <b>\$</b> :	BLEQ MOVL MOVL ADDL3 SUBL2 BLEQ	FIELD_WIDTH, RO RO, VALUE_WIDTH -20(FCB), FIELD_WIDTH, RO -16(FCB), EXTRA 6\$	0296
			7E 6A 59		01 8F 03	DD 9A FB 04 D1	00082 00084 00088 0008B 0008C	<b>6\$</b> :	PUSHL PUSHL MOVZBL CALLS RET CMPL	EXTRA  #1  #PAS\$K_LINTOOLON, -(SP)  #3, PAS\$\$SIGNAL  FIELD_WIDTH, VALUE_WIDTH	0299
52		20	52 6E	EC	0E 59 00 B7	5C C 5	00094 00099		BLEQ SUBL2 MOVC5	7\$ VALUE_WIDTH, R2 W0, (SP), W32, R2, a-20(FCB)	0308
	EC	B7	EC A7 01 A8 EC A7	0000000G	53 59 53 00	28 00 16	0009B 0009F 000A5 000A9 000AF	<b>7\$</b> :	MOVL MOVC3 MOVL JSB	R3, -20(FCB) VALUE_WIDTH, 1(VALUE_STRING), @-20(FCB) R3, -20(FCB) PAS\$\$END_WRITE	0316
			50 50	08 04 F4 F8 FC	AC AO AO AO O3	000 D0 D0 9F 9F 9F	000B0 000B2 000B6 000BA	8\$:	RET .WORD MOVL MOVL PUSHAB PUSHAB PUSHAB PUSHL	Save nothing 8(AP), RO 4(RO), RO ERROR_ADDR UNWIND_ACT PFV_ADDR #3	0327 0220
		000000	7E 000G 00	04	5E AC 03	DD 7D FB			PUSHL MOVQ CALLS RET	SP 4(AP), -(SP) #3, PAS\$\$IO_HANDLER	

; Routine Size: 211 bytes, Routine Base: \_PAS\$CODE + 0000

: 267 0328 1 : 268 0329 1 !<BLF/PAGE>

```
Write an enumerated value 16-Sep-1984 02:16:50 PAS$WRITEV_ENUMERATED - Write ENUMERATED to str 14-Sep-1984 12:52:04
                                                                                                                            VAX-11 Bliss-32 V4.0-742 [PASRTL.SRC]PASWRIENU.B32;1
PASS#RITE_ENUME Write an enumerated value
                                                                                                                                                                               Page
                      0330
0331
0332
0333
0334
0335
0337
                                 2701277456727780128845
                                                                                                                    Maximum length of string
                                                                                                                    String to write to
                                                                                                                    Enumerated type descriptor
                                             VALUE,
TOTAL WIDTH: SIGNED,
ERROR
                                                                                                                    Value to write
Total field width
                                                                                                                    Error unwind address
                      0338
0339
0340
0341
0343
                                       ) : NOVALUE =
                                  ! FUNCTIONAL DESCRIPTION:
                                             This procedure writes an enumerated value to the specified string.
                                    CALLING SEQUENCE:
    286
287
                      0346
0347
                                             CALL PAS$WRITEV_ENUMERATED (MAX_LENGTH.rw.v, STRING_LINE.wvt.r, VALUE.rlu.v, TOTAL_WIDTH.rl.v [, ERROR.j.r])
    2889
2991
2991
2993
2994
2997
2999
2999
                      0348
                      0349
                      0350
0351
0352
0353
0354
0355
0356
0357
0358
                                    FORMAL PARAMETERS:
                                             MAX_LENGTH
                                                                   - The maximum length of STRING_LINE.
                                             STRING_LINE
                                                                    - A varying string to which the output will be appended.
                                             VALUE
                                                                    - The value to write.
                                             TOTAL_WIDTH
                                                                    - The width of the field to write.
                      0360
0361
0362
0363
0364
0365
0366
0367
0368
0370
                                             ERROR
                                                                    - Optional. If specified, the address to unwind to
    301
                                                                       in case of an error.
    302
303
                                    IMPLICIT INPUTS:
    304
305
                                             NONE
    306
307
                                    IMPLICIT OUTPUTS:
    308
309
                                             NONE
    310
311
                      0371
                                    ROUTINE VALUE:
    312
313
314
315
                      0372
0373
0374
0377
0377
0377
0378
0381
0383
0384
0386
                                             NONE
                                    SIDE EFFECTS:
    316
317
                                             NONE
    318
319
                                    SIGNALLED ERRORS:
    320
321
322
323
324
325
                                             See PASSWRITE_ENUMERATED
                                       BEGIN
```

```
Write an enumerated value 16-Sep-1984 02:16:50 PAS$WRITEV_ENUMERATED - Write ENUMERATED to str 14-Sep-1984 12:52:04
                                                                                                              VAX-11 Bliss-32 V4.0-742
[PASRTL.SRCJPASWRIENU.B32;1
PASSWRITE_ENUME Write an enumerated value
                                                                                                                                                           Page
                                                                                                                                                                 (4)
   PFV: $PAS$PFV_FILE_VARIABLE, ARG_LIST: VECTOR [5, LONG],
                    0388
                                                                                  Pascal file Variable
                    0389
                                                                                   Argument list
                    0390
                                        PFV_ADDR: VOLATILE,
                                                                                  Enable argument
                                       UNWIND ACT: VOLATILE, ERROR_ADDR: VOLATILE;
                    0391
                                                                                  Enable argument
                    0392
                                                                                  Enable argument
                    0394
                                   BUILTIN
                                        ACTUAL COUNT:
                                                                                ! Count of arguments
                    0396
0397
                    0398
                                        PAS$$10_HANDLER (PFV_ADDR, UNWIND_ACT, ERROR_ADDR);
                                                                                                           ! Enable error handler
                    0399
                    0400
                    0401
                                   ! Get ERROR parameter, if present.
                   0402
0403
                   0404
                                   IF ACTUAL COUNT () GEQU 6
                                   THEN
                   0405
                                       ERROR_ADDR = .ERROR;
                                                                                ! Set unwind address
                    0408
                                   PFV_ADDR = PFV [PFV$R_PFV];
                                                                                ! Set PFV address
                    0409
    350
                    0410
   351
352
353
354
355
                                   ! Set up ARG_LIST.
                    0411
                   0412
                                  ARG_LIST [0] = 4;

ARG_LIST [1] = PFV [PFV$R_PFV];

ARG_LIST [2] = .PETD;

ARG_LIST [3] = .VALUE;

ARG_LIST [4] = .TOTAL_WIDTH;
                    0414
                                                                                  four arguments
                    0415
                                                                                  PFV address
                   0416
                                                                                  Enumerated type descriptor
    356
    357
                                                                                  Value to write
   358
359
                    0418
                                                                                  field width
                    0419
    360
                    0420
   361
                    0421
                                   ! Call PAS$$DO_WRITEV to do the work, giving it the address of
   362
363
                   0422
                                     PASSWRITE_ENUMERATED to call.
                   0424
0425
0426
0427
0428
   364
365
                                   PAS$$DO_WRITEV (PFV [PFV$R_PFV], .MAX_LENGTH, STRING_LINE [0], ARG_LIST,
    366
                                       PASSWRITE_ENUMERATED);
    367
    368
                                   RETURN:
                   0429
0430
   370
                                                                                          ! End of routine PAS$WRITEV_ENUMERATED
                                   END:
                                                                                             .EXTRN PAS$$DO_WRITEV
                                                                     007C 00000
                                                                                                      PASSWRITEV_ENUMERATED, Save R2,R3,R4,R5,R6
                                                                                                                                                             : 0331
                                                                                             .ENTRY
                                                                       (2
04
                                                                                            SUBL?
                                                 5E
                                                                           00002
                                                                                                      #44, SP
                                                                  ŽĔ.
                                                                                                                                                                0385
                                                                           00005
                                                                                            CLRL
                                                                                                      ERROR_ADDR
                                                                  ΑĒ
                                                                       70
                                                                                                      UNWIND ACT
                                                                           00007
                                                                                            CLRQ
                                                         003E
                                                                       DE
91
                                                                                                       2$, (FP)
                                                 6D
                                                                  CF
                                                                           0000A
                                                                                            MÖVAL
                                                                                                       (ĀĎ), #6
                                                                           0000F
                                                                                            CMPB
                                                                                                                                                                0404
                                                 06
                                                                  60
                                                                       15
```

00014

6E

18

ÀC

D0

BLSSU

MOVL

ERROR, ERROR\_ADDR

PASSWRITE_ENUME Write an enumerated value 1-002 PASSWRITEV_ENUMERATED	lue - Writ	e ENUMERAT	ED t	16 o str 16	I 14 6-Sep-1984 02:1 4-Sep-1984 12:5	6:50 VAX-11 Bliss-32 V4.0-742 2:04 [PASRTL.SRC]PASWRIENU.B32;1	Page 10 (4)
08 0C 10 14 1C	AE AE AE AE 554 553 500	20 A 0C A 14 A FEF9 C 20 A 08 A 04 A	04 97 D9 99 D3 1	00018 000010 000021 000026 000030 000039 000030 000041 6000048	1\$: MOVAB MOVL MOVAB MOVAB MOVAB MOVAB MOVAB MOVL MOVZWL JSB RET	PFV, PFV ADDR #4, ARG_EIST PFV, ARG_LIST+4 PETD, ARG_LIST+8 TOTAL_WIDTH, ARG_LIST+16 PAS\$WRITE_ENUMERATED, R5 ARG_LIST, R4 PFV, R6 STRING_LINE, R3 MAX_LENGTH, R2 PAS\$\$DO_WRITEV	: 0408 : 0414 : 0415 : 0416 : 0418 : 0425
0000000G	50 50 7E 00	04 A D0 A D4 A D8 A 05	000 000 000 000 000 000 000 000 000 00	0004C 0004E 000052 000056 000057 000057 000061 000063 000067	2\$: .WORD MOVL MOVL PUSHAB PUSHAB PUSHAB PUSHL MOVQ CALLS RET	UNWIND_ACT	0430

; Routine Size: 111 bytes, Routine Base: \_PAS\$CODE + 00D3

: 371 0431 1 : 372 0432 1 !<BLF/PAGE>

PSECT SUMMARY

Name
Bytes
Attributes

\_PAS\$CODE
322 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Total	- Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0	0	581	00:01.0
_\$255\$DUA28:[PASRTL.OBJ]PASLIB.L32;1	427	97	22	33	00:00.4

## COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACE/LIS=LIS\$: PASWRIENU/OBJ=OBJ\$: PASWRIENU MSRC\$: PASWRIENU/UPDATE=(ENH\$: PASWRIENU

377 0436 0 Size: 322 code + 0 data bytes Run Time: 00:08.3 Elapsed Time: 00:36.2

; Elapsed Time: 00:36. ; Lines/CPU Min: 3170 ; Lexemes/CPU-Min: 13876 ; Memory Used: 96 pages ; Compilation Complete 0297 AH-BT13A-SE

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